

Recombinant Mouse Vtcn1 Protein, Fc-tagged

Cat. No. Vtcn1-825M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mature form of mouse B7H4 (Q7TSP5) (phe 29-Ser 256) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	29-256 a.a.
Predicted N Terminal	phe 29
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The secreted recombinant mouse B7H4/Fc is a disulfide-linked homodimer. The reduced monomer comprises 469 amino acids and has a calculated molecular mass of 52.2 kDa. The apparent molecular mass of rmB7H4/Fc monomer is approximately 70-75 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Vtcn1 V-set domain containing T cell activation inhibitor 1 \[Mus musculus \]](#)

Official Symbol [Vtcn1](#)

Synonyms VTCN1; V-set domain containing T cell activation inhibitor 1; V-set domain containing T-cell activation inhibitor 1; t cell costimulatory molecule B7x; immune costimulatory protein B7-H4; B7x; B7h4; B7s1; BC032925; MGC41287;

Gene ID [242122](#)

mRNA Refseq [NM_178594](#)

Protein Refseq [NP_848709](#)

MIM

UniProt ID

Function receptor binding;

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